

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A FIREHOUSE SIGNAL ON EASTBOUND MD 26 APPROACHING LIBERTY ROAD VOLUNTEER FIRE COMPANY AND EMERGENCY PRE-EMPTION ON WESTBOUND MD 26 (LIBERTY ROAD) AT DEER PARK ROAD IN BALTIMORE COUNTY. MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE FIREHOUSE SIGNAL AND EMERGENCY PRE-EMPTION WILL BE ACTUATED WITH A PUSHBUTTON INSTALLED AT ONE LOCATION WITHIN THE LIBERTY ROAD VOLUNTEER FIRE COMPANY.

WHEN ACTUATED, WESTBOUND MD 26 AND DEER PARK ROAD TRAFFIC WILL BE STOPPED AND THE FIREHOUSE SIGNAL WILL STOP EASTBOUND MD 26 TRAFFIC.

CONTROLLER REQUIREMENTS

USE EXISTING BASE MOUNTED CABINET AND CONTROLLER AT DEER PARK ROAD INTERSECTION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA

ITEM NO.	QUANTITY	DESCRIPTION
9089	18 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 1 EACH W11-8(1) MODIFIED SIGN (72 IN. x 36 IN.)

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5005	15 L.F.	24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
6004	80 S.F.	4 IN. CONCRETE SIDEWALK
8002	4 C.Y.	TEST PIT EXCAVATION
8006	1 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8011	4 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8019	2 EACH	FURNISH AND INSTALL 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8023	1 EACH	FURNISH AND INSTALL MAST ARM POLE AND 60 FT. MAST ARM
8031	1 EACH	FURNISH AND INSTALL PHOTOCELL
8051	50 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8057	5 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8060	700 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8064	220 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8066	130 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8072	5 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8075	18 S.F.	INSTALL OVERHEAD SIGN
8080	1 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
8082	900 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8083	70 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
8084	25 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8091	60 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
NEG.	1 EACH	EMERGENCY SERVICE PUSHBUTTON
NEG.	750 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 12 A.W.G.)

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

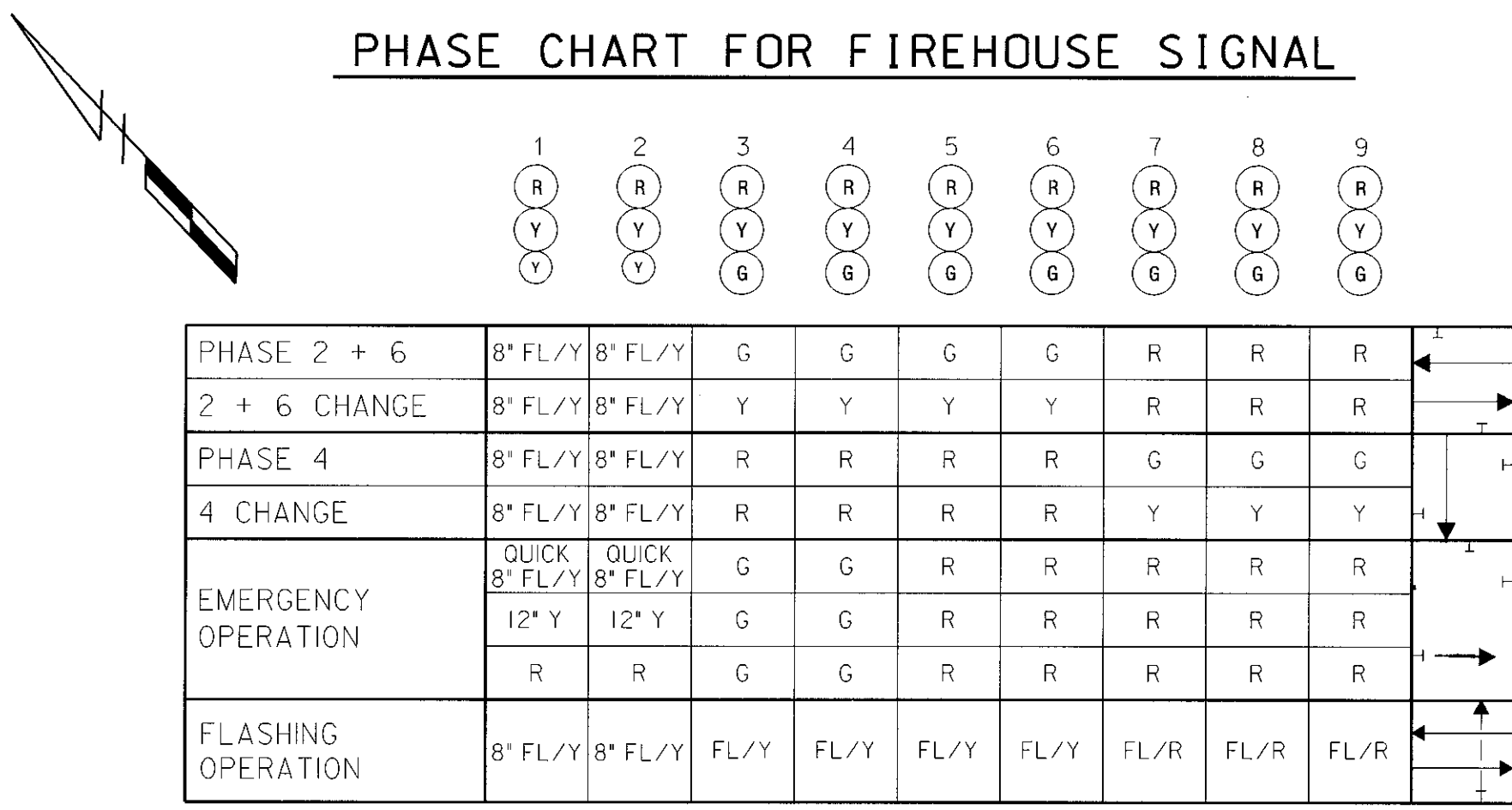
- STANDARD NO. MD-104.00 - 104.00-30
- STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)
- STANDARD NO. MD-104.33-01 (SHOULDER WORK)
- STANDARD NO. MD-104.35-01 (LANE SHIFT)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART FOR FIREHOUSE SIGNAL



NOTE:  
SIGNAL HEADS NO. 3-9 ARE EXISTINGS AT DEER PARK ROAD INTERSECTION.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-3514

MR. JOE MCMAHON  
DISTRICT UTILITIES ENGINEER  
PHONE: (410) 321-3456

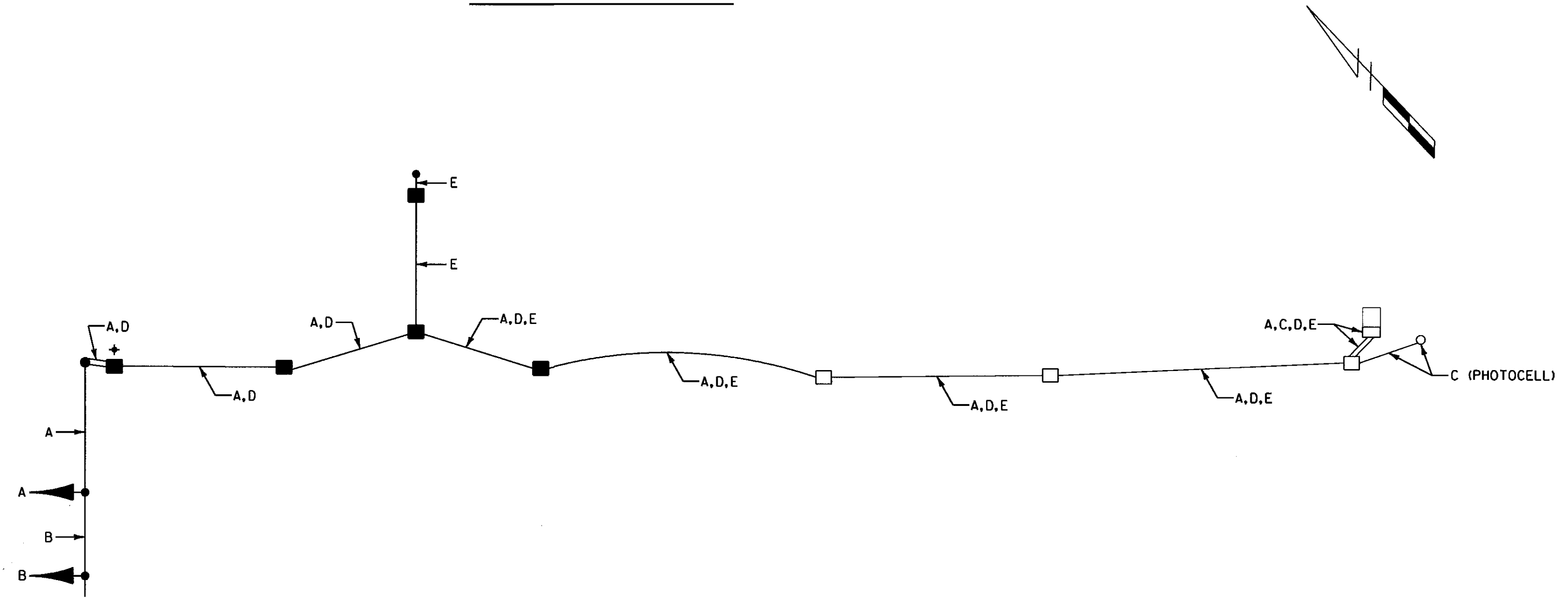
MR. DAVE RAMSEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-3468

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

WIRING DIAGRAM

WIRING KEY

- A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- C } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- E } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- + - 3/4 IN. X 10 FT. GROUND ROD



**WR&A**  
Whitman, Requardt  
and Associates, LLP  
2315 Saint Paul Street  
Baltimore, Maryland 21218  
(410) 235-3450

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
**TRAFFIC SIGNALIZATION PLAN**  
**MD 26 (LIBERTY ROAD) AT LIBERTY ROAD**  
**VOLUNTEER FIRE COMPANY**

DRAWN BY: S. BLOSS	F.A.P. NO. 08766	TS NO. TS-3884X	SHEET NO. 2 OF 2
CHECKED BY: N. LEARY	S.H.A. NO. BALTIMORE	T.I.M.S. NO. E-775	
SCALE: NONE	COUNTY: BALTIMORE	LOG MILE:	
DATE: 12/3/01			